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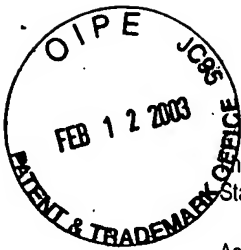
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TOWNSEND and TOWNSEND and CREW LLP

By

Joy M. Marshall

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Salahuddin et al.

Application No.: 10/087,882

Filed: March 1, 2002

For: ANTIBODIES AGAINST HUMAN
HERPES VIRUS-6(HHV-6) AND
METHOD OF USE

Examiner: Salimi

Art Unit: 1648

LETTER TO OFFICIAL DRAFTSPERSON

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to the Notice of Draftsperson's Patent Drawing Review dated September 25, 2002, applicant submits eighteen sheets of formal drawings to be made of record in the above-identified case.

Respectfully submitted,

Carol A. Fang
Reg. No. 48,631

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SF 1430386 v1



APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS



FIG. 1.



001,750,114-1

O.G. FIG.	
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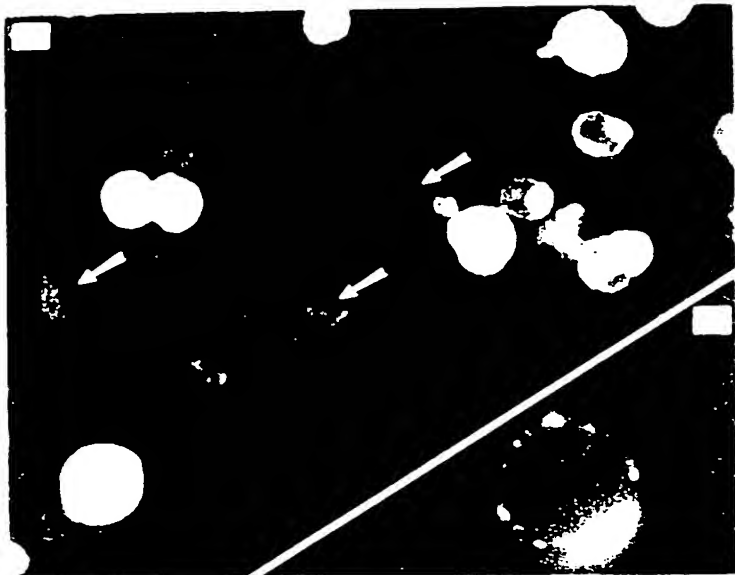
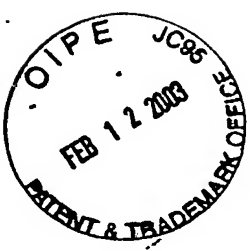


FIG. 2A.

FIG. 2B.



FIG. 2C.



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HUMAN B-LYMPHOTROPIC VIRUS (HBLV)

FIG. 3.



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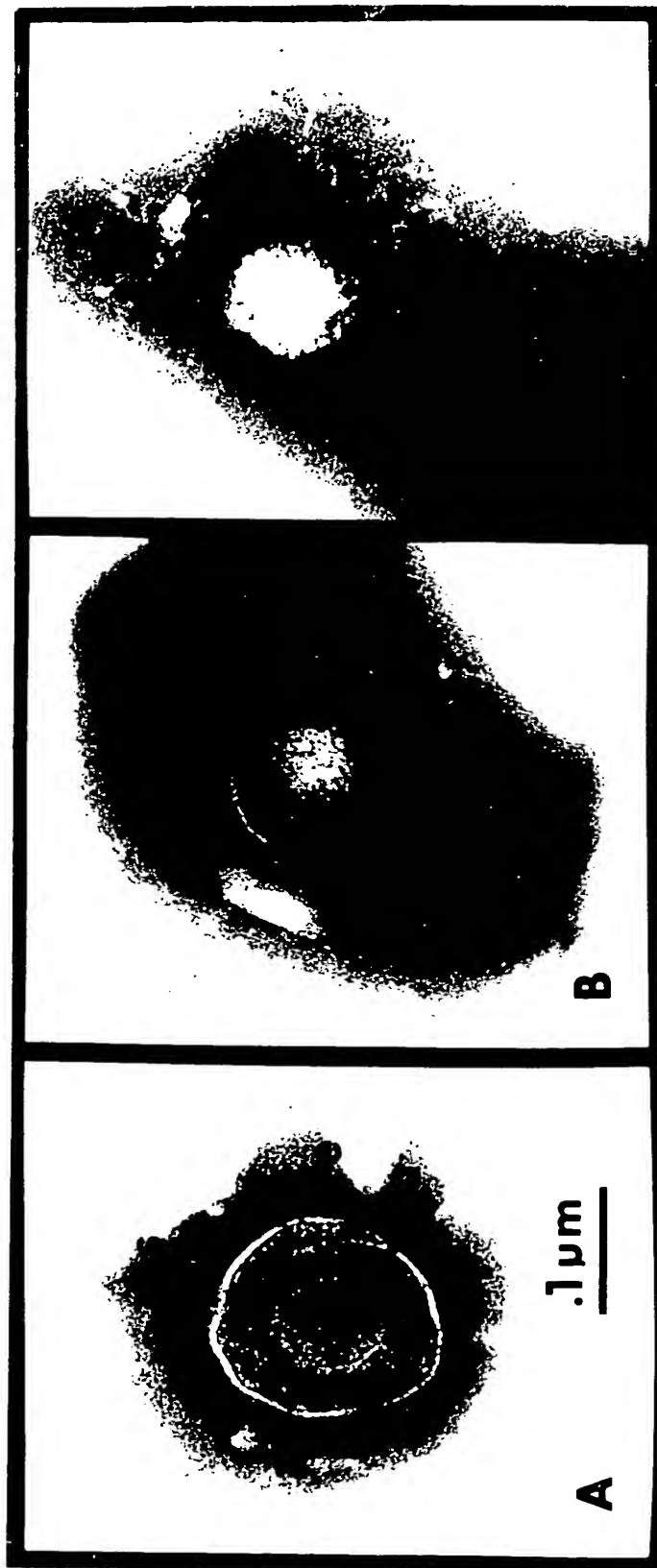


FIG. 4C.

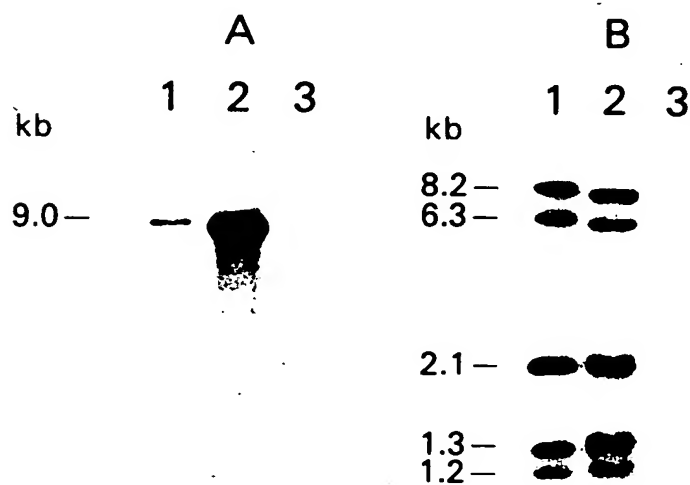
FIG. 4B.

FIG. 4A.



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HYBRIDIZATION OF HHV-6 SPECIFIC CLONE.
ZVH-14 TO DNA FROM HBLV INFECTED
CORD BLOOD LYMPHOCYTES.



A=Hind-III

B=Eco-R1

FIG. 5A.

FIG. 5B.

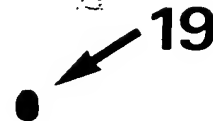
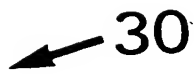
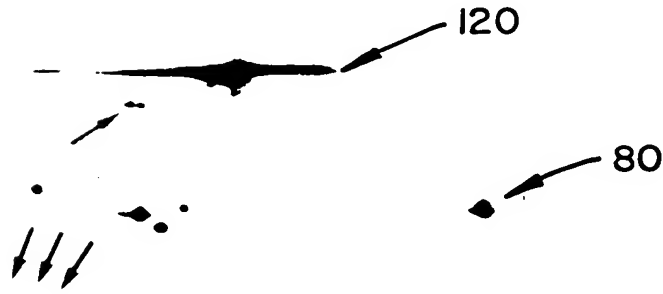
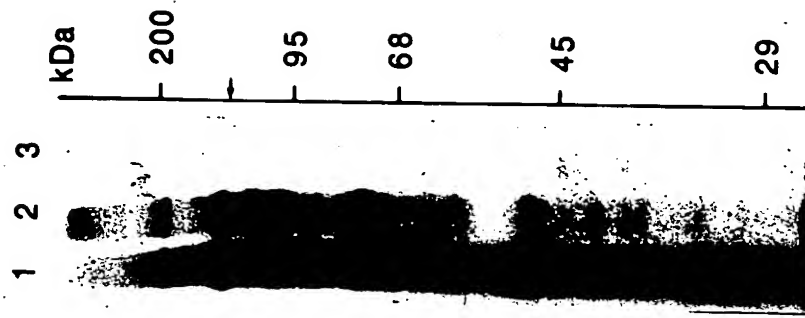


FIG. 6.



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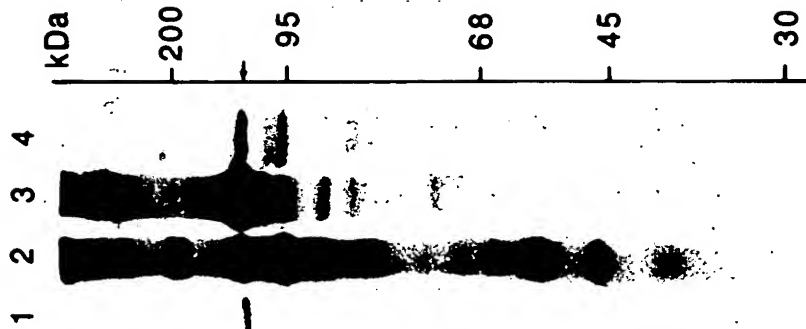
HBLV positive serum by IFA reacted

with

- Lane 1. 15 hrs labeled - HBLV infected HSB-2 cell supernatant
Lane 2. infected cells (HSB-2) lysates.
Lane 3. Uninfected cells (HSB-2) lysates.

◆ 120 kDa consistently recognized in HBLV positive sera

FIG. 7B.



3 hrs ³⁵S Methionine and ³⁵S cysteine labeled HSB-2 infected cells.

- Lane 1. HBLV negative serum by IFA
Lane 2. Rabbit HBLV hyperimmune serum
Lane 3. HBLV high positive serum by IFA from CFS patient
Lane 4 HBLV low positive serum by IFA

FIG. 7A.



WESTERN BLOT ANALYSIS OF HBLV PROTEINS

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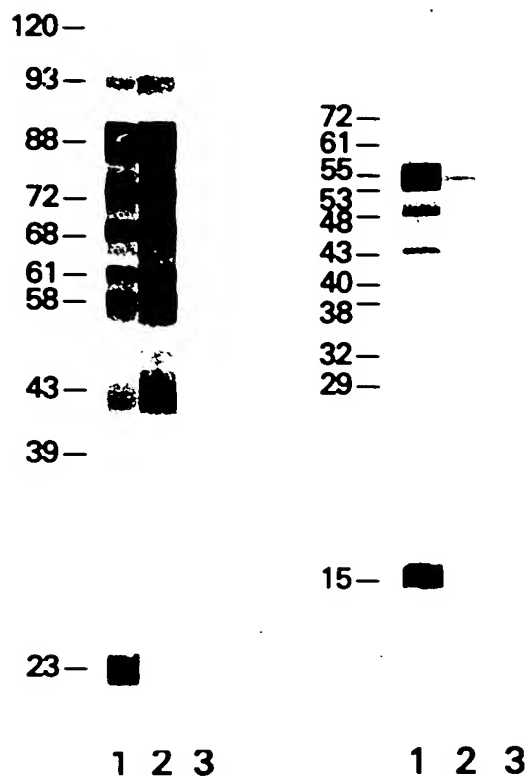


FIG. 9A. FIG. 9B.

A = Concentrated HBLV from HSB-2 Cells

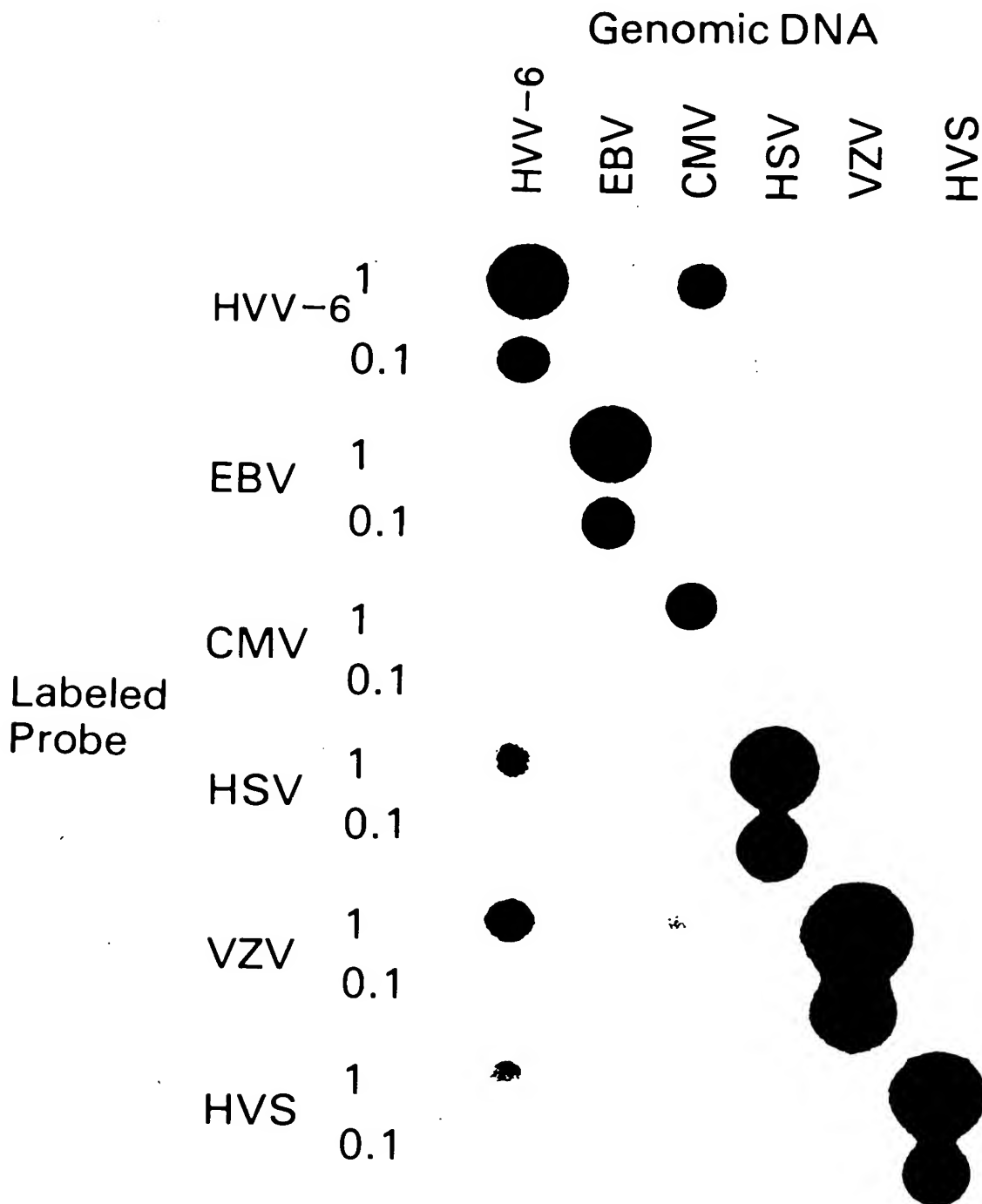
B = HSB-2 Cell Lysates

Lane 1 and 2: HBLV Antibody Positive Sera

Lane 3: HBLV Antibody Negative Serum



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SPECIFIC HYBRIDIZATION OF HUMAN DNA VIRUS PROBES TO
 GENOMIC DNA OF HUMAN HERPES VIRUSES BY DNA DOT
 BLOT ANALYSIS.

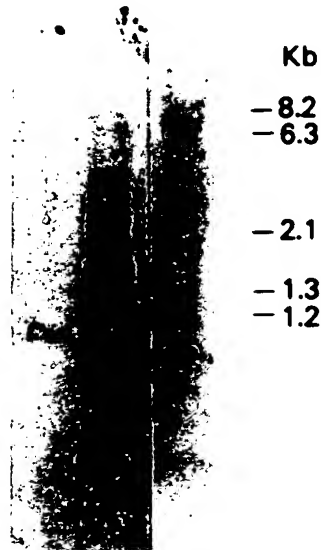
1 UNIT = 25 μ g DNA

FIG. 10.



1 2 3

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HBLV Sequences in a follicular
Large cell Lymphoma.

LANE 1 — Negative Control

LANE 2 — Tumor Cell DNA

LANE 3 — DNA from HBLV positive BL

DNA from negative and positive
controls and Tumor (Lane 2) was
digested with EcoR-1.

FIG. IIA.



FIG. 11B

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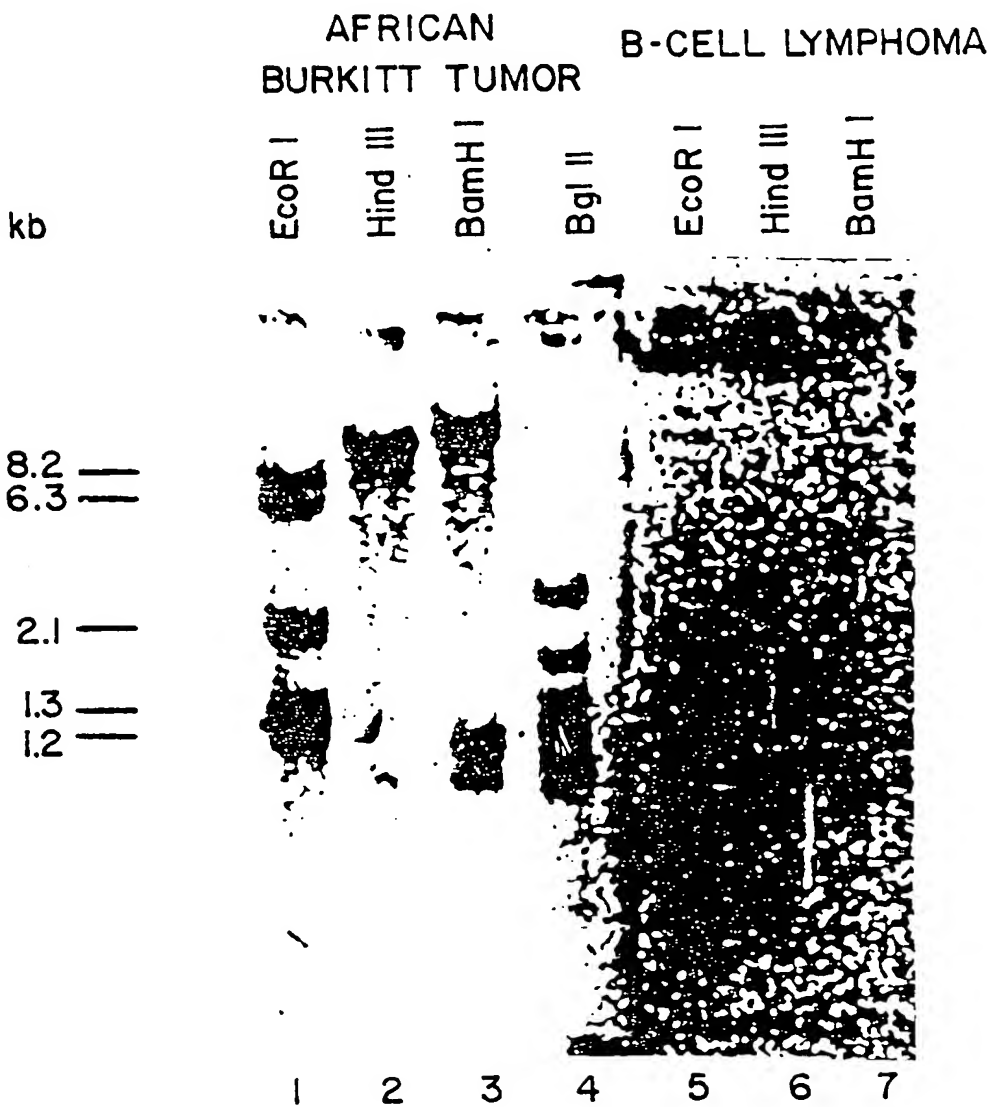
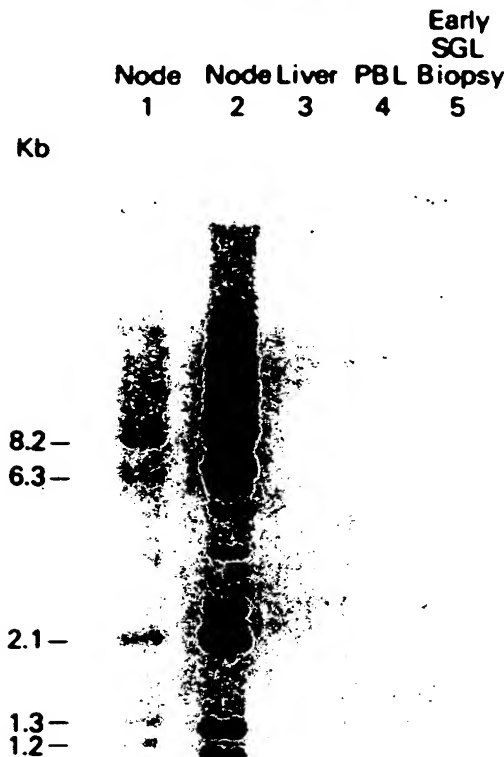


FIG. 11B.



Detection of HBLV Sequences in B-Cell Tumors Arising in a Sjögren's Syndrome Patient

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	CLASS	SUBCLASS



LANE 1 ABDOMINAL NODE
 LANE 2 THORACIC NODE
 LANE 3 PERIPHERAL BLOOD LYMPHOCYTES
 LANE 4 LIVER
 LANE 5 EARLY SALIVARY GLAND BIOPSY

FIG. IIC.



RESTRICTION ENZYME ANALYSES OF THE HBLV GENOME

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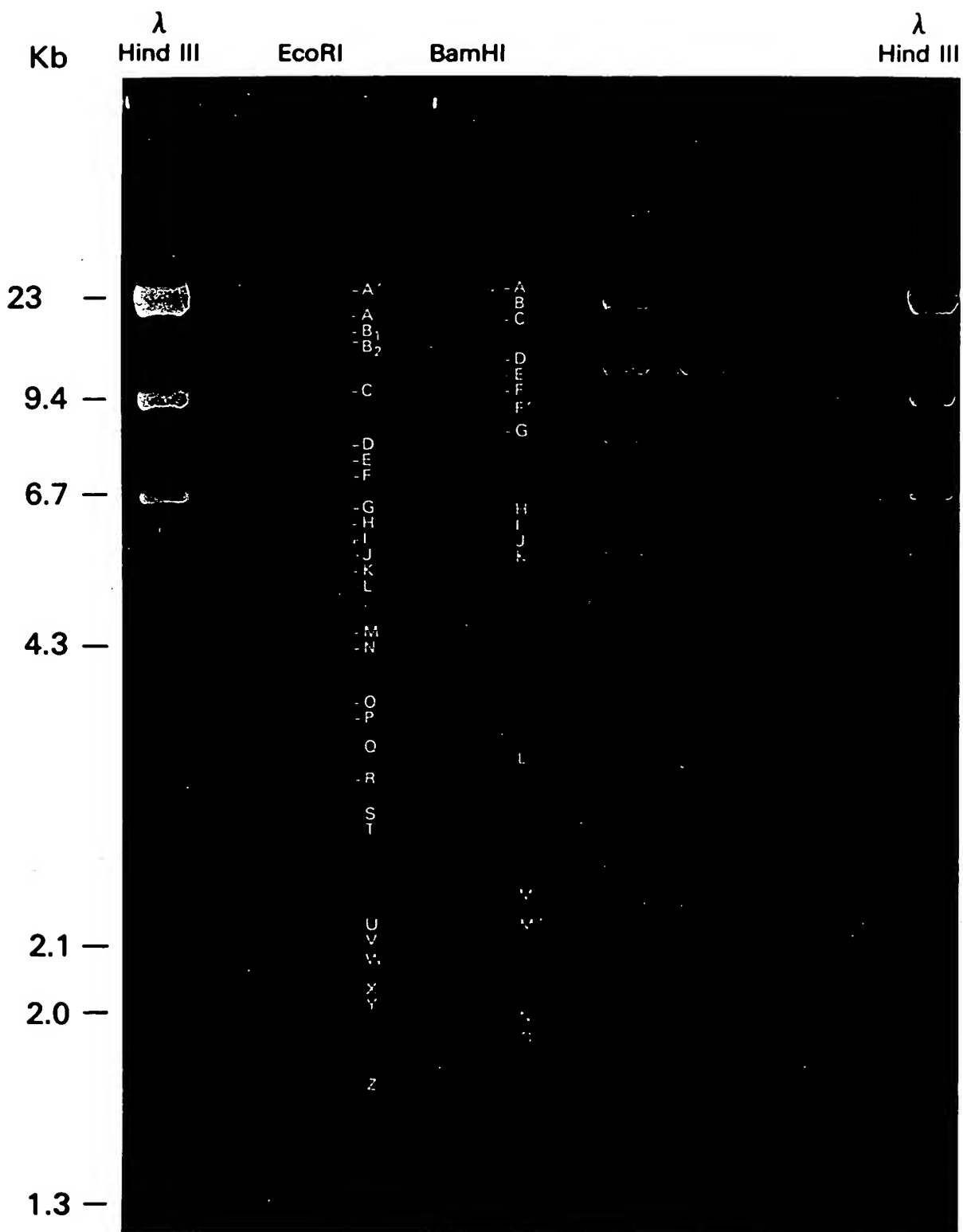
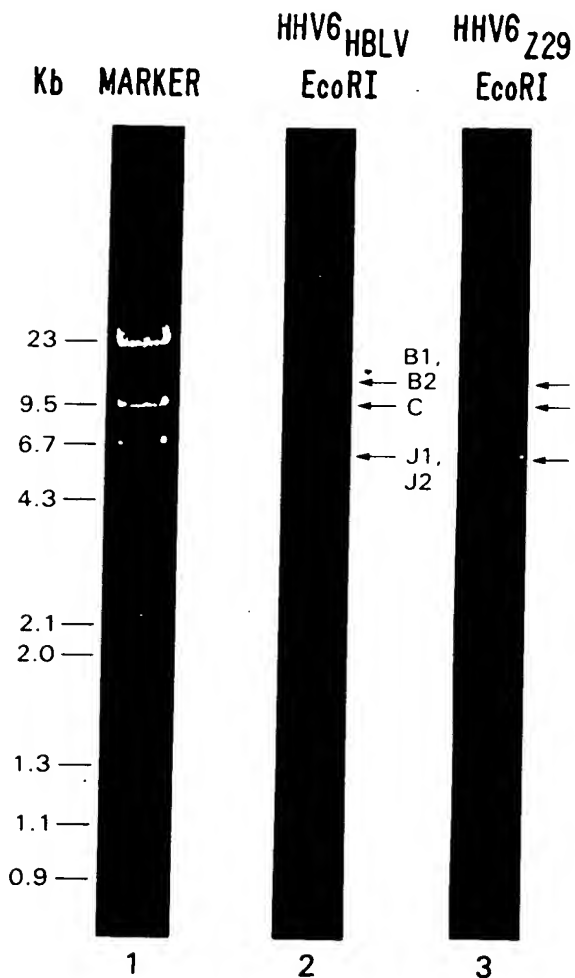


FIG. 12.



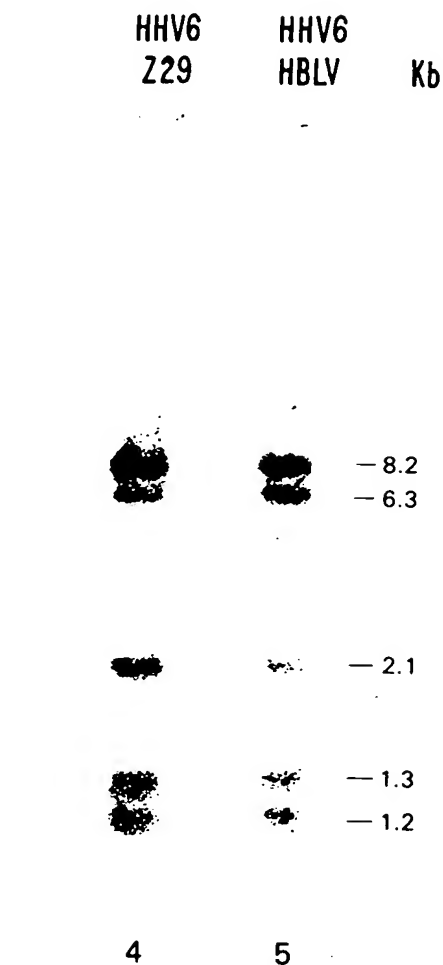
Patent No. 6,811,411

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ETHIDIUM BROMIDE STAIN

FIG. 13A.



HYBRIDIZATION OF 2 AND 3
RESPECTIVELY TO HBLV PROBE
pZVH14

FIG. 13B.



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	CLASS	

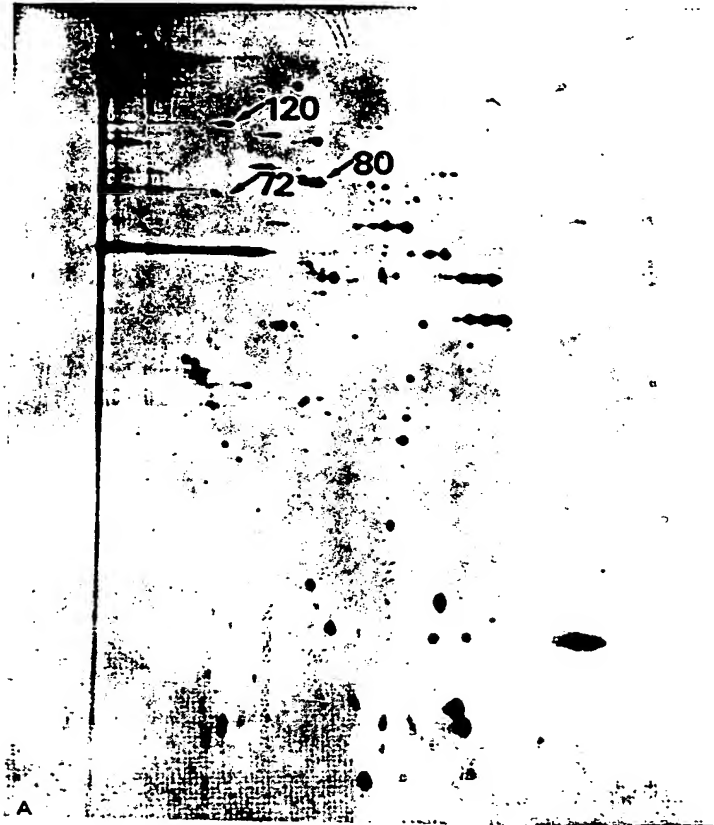


FIG. 14.



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FIG. 15.

APPROVED	O.G. FIG.	
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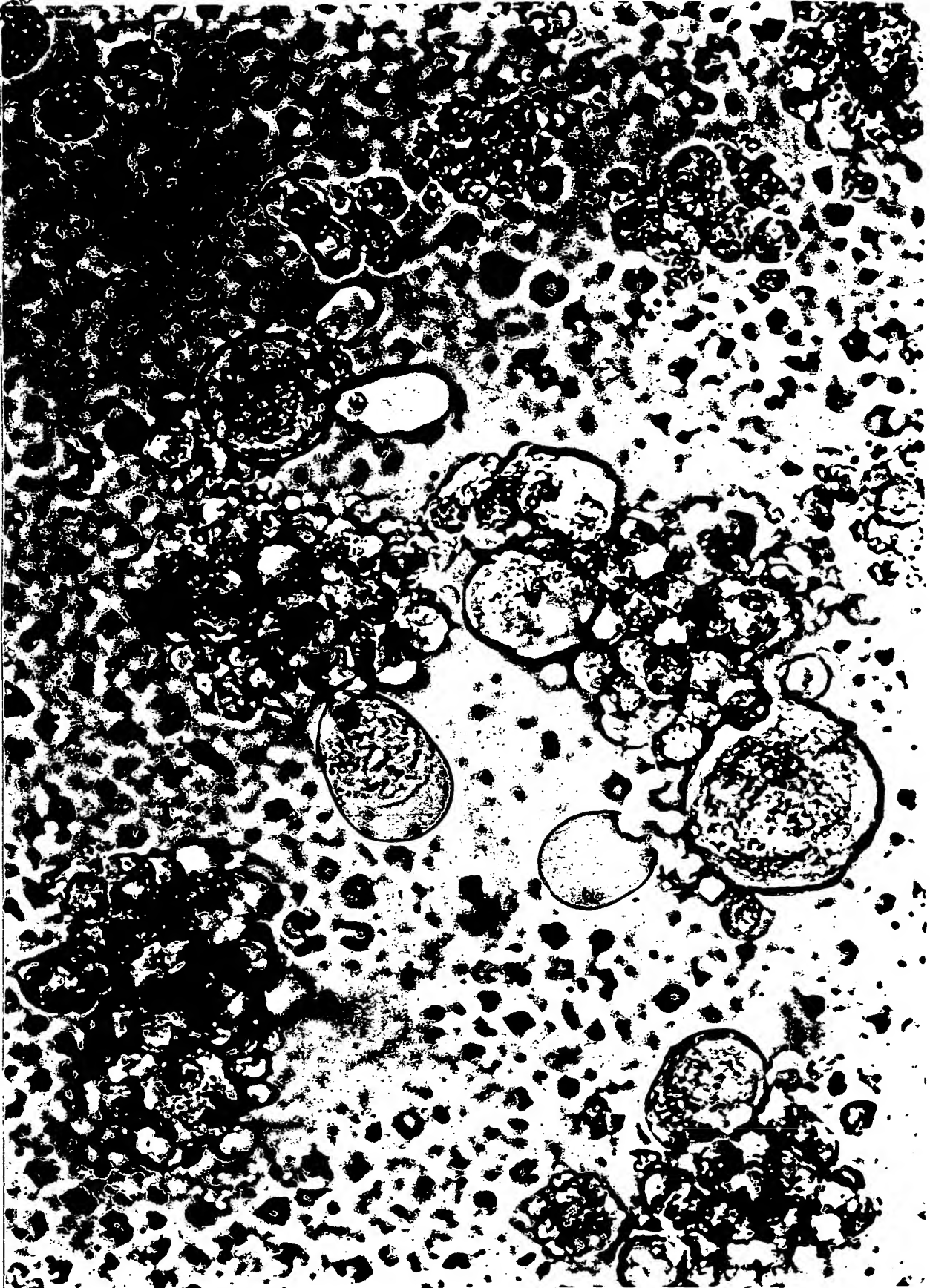


FIG. 17.